

**November 27 (Mon) 1pm**

**Session 1            Opening**

**Keynote Talk**

The Age of Content and Knowledge Processing            Makoto Nagao    National Institute of Information and Communications Technology, Japan

**3pm-5:30pm**

**Session 2            Advanced Digital Archives**

1. Annotating the Web Archives - An Exploration of Web Archives Cataloging and Semantic Web, Paul H. J. Wu, Adrian K. H. Heok, Ichsan P., Tamsir (Nanyang Technological University, Singapore)
2. Owlery: A Flexible Content Management System for "Growing Metadata" of Cultural Heritage Objects and Its Educational Use in the CEAX Project, Kenro Aihara, Taizo Yamada, Noriko Kando, (National Institute of Informatics, Japan; The Graduate University for Advanced Studies, Japan), Satoko Fujisawa (The Graduate University for Advanced Studies, Japan), Yusuke Uehara, Takayuki Baba, Shigemi Nagata (Fujitsu Laboratories Ltd., Japan), Takashi Tojo, Tetsuhiko Awaji (Fujitsu Ltd., Japan), Jun Adachi (National Institute of Informatics, Japan)
3. A Digital Library for Preservation of Folklore Crafts, Skills, and Rituals and Its Role in Folklore Education, Yung-Fu Chen (China Medical University, Taiwan), Po-Chou Chan, Kuo-Hsien Huang, Hsuan-Hung Lin (Central Taiwan University of Science and Technology, Taiwan)
4. A Digital Video Archive System of NDAP Taiwan, Hsiang-An Wang, Guey-Ching Chen, Chih-Yi Chiu, Jan-Ming Ho (Academia Sinica, Taiwan)

**\*\*            1 minute presentations by poster session presenters**

**18:00-20:00**

**Session 3            Poster Presentations**

**Short Papers**

- Wavelet-based Collaborative Filtering for Adapting Changes in User Behavior, Hyeonjae Cheon, Hongchul Lee, Insup Um (Korea University, Korea)
- Activity-Based Query Refinement for Context-Aware Information Retrieval, Shun Hattori, Taro Tezuka, Katsumi Tanaka (Kyoto University, Japan)
- Retrieval Technique with the Modern Mongolian Query on Traditional Mongolian Text, Garmaabazar Khaltarkhuu, Akira Maeda (Ritsumeikan University, Japan)
- Empirical Investigation on Interface Usage of Citation Database, Pei-Chun Lin (National Cheng Kung University, Taiwan), Chen-Cheng Chen (National Kaohsiung First University of Science and Technology, Taiwan)

- Adding SOMLib capabilities to the Greenstone Digital Library System, Rudolf Mayer, Andreas Rauber (Vienna University of Technology, Austria)
- Developing a Digital Resources Consortium for University Libraries in Bangladesh: Proposed Role of UGC, Md. Nazim Uddin (East West University, Bangladesh), M. Hossam Haider Chowdhury (Independent University, Bangladesh)
- Speech Audio Retrieval Using Voice Query, Chotirat Ann Ratanamahatana, Phubes Tohlong (Chulalongkorn University, Thailand)
- A Methodology for Retrieving SCORM-compliant Teaching Materials on Grid Environments, Wen-Chung Shih (National Chiao Tung University, Taiwan), Chao-Tung Yang (Tunghai University, Taiwan), Shian-Shyong Tseng (National Chiao Tung University, Taiwan; Asia University, Taiwan)
- Customising Interfaces to Service-Oriented Digital Library Systems, Hussein Suleman, Kevin Feng, Gary Marsden (University of Cape Town, South Africa)
- Understanding User Perceptions on Usefulness and Usability of an Integrated Wiki-G-Portal, Yin-Leng Theng, Yuanyuan Li, Ee-Peng Lim, Zhe Wang, Dion Hoe-Lian Goh (Nanyang Technological University, Singapore), Chew-Hung Chang, Kalyani Chatterjea (National Institute of Education, Singapore), Jun Zhang (Nanyang Technological University, Singapore)
- A Peer-to-Peer Approach to Collaborative Repository for Digital Libraries, Jenq-Haur Wang, Hung-Chi Chang, Chih-Yuan Lin (Academia Sinica, Taiwan), Lee-Feng Chien (Academia Sinica, Taiwan; National Taiwan University, Taiwan)
- Web Page Classification Exploiting Contents of Surrounding Pages for Building a High-Quality Homepage Collection, Yuxin Wang (The Graduate University for Advanced Studies, Japan), Keizo Oyama (The Graduate University for Advanced Studies, Japan; National Institute of Informatics, Japan)
- Managing and Querying of Videos by Semantics in Digital Library - A Semantic Model SemTTE and Its XML-Based Implementation, Yu Wang, Chunxiao Xing, Lizhu Zhou (Tsinghua University, China)
- RDF/XTM Ontology Construction based on a Topic Maps-driven Framework, Cheng-Zen Yang, Ing-Xiang Chen, Chun-Hua Chou, Meng-Chia Yang (Yuan Ze University, Taiwan)

#### **Poster Papers**

- Building an Arabic Digital Library Collection: The IIUM Library's Experience, Sarifah binti Abdullah (International Islamic University Malaysia, Malaysia)
- Access to E-Journals: Need and Impact of Users Training, Prakash Chand, Nishy P., Mahesh G. (National Institute of Science Communication and Information Resources, India)
- Reskilling Staff for Digital Libraries, Naicheng Chang (Tatung University, Taiwan), Alan Hopkinson (Middlesex University, UK)
- Institutional Repositories in India: A Case Study of National Aerospace Laboratories, Poornima Narayana (National Aerospace Laboratories, India), Balabhim Shankarappa Biradar

(Kuvempu University, India), Ishwar Ramanagoudar, NaganaGoudar (National Aerospace Laboratories, India)

- The Digital Divide in Developing Countries: With Special Reference to Bangladesh, Md. Anisur Rahman, (Darul Ihsan University, Bangladesh), Mahmudun Nahar (Palli Karma-Sahayak Foundation, Bangladesh), Md. Azharul Islam (SAARC Meteorological Research Centre, Bangladesh), Razina Akhter (Bangladesh Shishu (Child) Academy, Bangladesh)
- The Design and Implementation of Chinese Rural Studies Database, Jianhua Wu, Fang Lin, Haiyan Chen, Xian Zhang (Library of Central China Normal University, China), Jing Wang (Center for Chinese Rural Studies, China), Li Li (Library of Central China Normal University, China)

**November 28 (Tue) 9am-10am**

**Session 4 a, b, c (Three Parallel Sessions)**

**Session 4a      Digital Libraries and Learning**

1. A Research Project to Convert Chinese Traditional Calligraphic Paintings to SCORM-Compatible E-Learning Materials, Chao-chen Chen (National Taiwan Normal University, Taiwan), Jian-hua Yeh (Aletheia University, Taiwan), Shun-hong Sie (Fu Jen Catholic University, Taiwan)
2. Interdisciplinary Curriculum Development for Digital Library Education, Seungwon Yang, Edward A. Fox (Virginia Tech, USA), Barbara M. Wildemuth, Jeffrey P. Pomerantz, Sanghee Oh (University of North Carolina, USA)

**Session 4b      Distributed Repositories**

1. A digital resource harvesting approach for distributed heterogeneous repositories, Yang Zhao, Airon Jiang (Tsinghua University Library, China)
2. Parallelising Harvesting, Hussein Suleman (University of Cape Town, South Africa)

**Sessin 4c      Information Extraction (1)**

1. Sibling Page Search by Page Examples, Hiroaki Ohshima, Satoshi Oyama, Katsumi Tanaka (Kyoto University, Japan)
2. Contextualization of a RDF Knowledge Base in the VIKEF Project, Heiko Stoermer (University of Trento, Italy), Ignazio Palmisano, Domenico Redavid (Università degli Studi di Bari, Italy), Luigi Iannone (Liverpool University, UK), Paolo Bouquet (University of Trento, Italy), Giovanni Semeraro (Università degli Studi di Bari, Italy)

**November 28 (Tue) 10:30am-12pm**

**Session 5 a, b, c (Three Parallel Sessions)**

**Session 5a      Personalization for Digital Libraries**

1. Personalized Information Delivering Service in Blog-like Digital Libraries, Jason J. Jung (Inha University, Korea; INRIA Rhône-Alpes, France)
2. A Personal Ontology Model for Library Recommendation System, I-En Liao (National Chung Hsing University, Taiwan), Shu-Chuan Liao (Asia University, Taiwan), Kuo-Fong Kao (National

Chung Hsing University, Taiwan; Hsiuping Institute of Technology, Taiwan), Ine-Fei Harn (National Chung Hsing University, Taiwan)

3. Research and Implementation of a Personalized Recommendation System, Li Dong (Tsinghua University, China), Yu Nie (SINA Corporation, China), Chunxiao Xing, Kehong Wang (Tsinghua University, China)

#### **Session 5b      Information Retrieval (1)**

1. An Application Framework for Distributed Information Retrieval, Fabio Simeoni, Leif Azzopardi, Fabio Crestani (University of Strathclyde, UK)
2. A Plugin Architecture Enabling Federated Search for Digital Libraries, Sergey Chernov, Christian Kohlschütter, Wolfgang Nejdl (University of Hannover, Germany)
3. A User Study on Features Supporting Subjective Relevance for Information Retrieval Interfaces, Shu-Shing Lee, Yin-Leng Theng, Dion Hoe-Lian Goh, Schubert Shou-Boon Foo (Nanyang Technological University, Singapore)

#### **Session 5c      Information Extraction (2)**

1. Visualizing User Communities and Usage Trends of Digital Libraries Based on User Tracking Information, Seonho Kim, Subodh Lele, Sreeram Ramalingam, Edward A. Fox (Virginia Tech, USA)
2. Extracting Mnemonic Names of People from the Web, Tomoko Hokama, Hiroyuki Kitagawa (University of Tsukuba, Japan)
3. Automatic Task Detection in the Web Logs and Analysis of Multitasking, Nikolai Buzikashvili (Russian Academy of Science, Russia)

**November 28 (Tue)      1pm – 3pm**

#### **Session 6      Invited Talks**

1. Cyber Science Infrastructure and Scholarly Information for the Promotion of e-Science in Japan, Jun Adachi (National Institute of Informatics, Japan)
2. Working Together in Developing Library and Information Science Education in the Asia Pacific, Schubert Foo (Nanyang Technological University, Singapore)

**November 28 (Tue) 3:30pm – 5:30pm      Session 7 a, b, c (Three Parallel Sessions)**

#### **Session 7a      Metadata**

1. Applying FRBR Model as a Conceptual Model in Development of Metadata for Digitized Thai Palm Leaf Manuscripts. Nisachol Chamnongsri, Lampang Manmart (Khon Kaen University, Thailand), Vilas Wuwongse (Asian Institute of Technology, Thailand), Elin K. Jacob (Indiana University, USA)
2. Management of metadata standards: the case of UNIMARC, Hugo Manguinhas (INESC-ID, Portugal), Nuno Freire (National Library of Portugal, Portugal), José Borbinha (INESC-ID, Portugal)

3. A process and tool for the conversion of MARC records to a normalized FRBR implementation, Trond Aalberg (Norwegian University of Science and Technology, Norway)
4. Metadata Spaces: the concept and a case with REPOX, Nuno Freire (National Library of Portugal, Portugal), Hugo Manguinhas, José Borbinha (INESC-ID, Portugal)

#### **Session 7b      Digital Libraries and Archives Architecture**

1. Taxonomy Alignment for Interoperability between Heterogeneous Digital Libraries, Jason J. Jung (Inha University, Korea; INRIA Rhône-Alpes, France)
2. Extending Greenstone for Institutional Repositories, David Bainbridge (University of Waikato, New Zealand), Wendy Osborn (University of Lethbridge, Canada), Ian H. Witten, David M. Nichols (University of Waikato, New Zealand)
3. A Web Archiving System of the National Library of Korea: OASIS, Kyung Ho Choi, Dal Ju Jeon (National Library of Korea, Korea)
4. The DELOS Testbed for Choosing a Digital Preservation Strategy, Stephan Strod, Andreas Rauber, Carl Rauch (Vienna University of Technology, Austria), Hans Hofman (Nationaal Archief, Netherlands), Franca Debole, Giuseppe Amato (Consiglio Nazionale delle Ricerche, Italy)

#### **Session 7c      Multimedia Resource Retrieval and Organization**

1. Text Image Spotting Using Local Crowdedness and Hausdorff Distance, Hwa-Jeong Son, Sang-Cheol Park, Soo-Hyung Kim, Ji-Soo Kim, Guue Sang Lee, Deok Jai Choi (Chonnam National University, Korea)
2. Effective Image Retrieval for the M-learning System, EunJung Han, AnJin Park, DongWuk Kyoung (Soongsil University, Korea), HwangKyu Yang (Dongseo University, Korea), KeeChul Jung (Soongsil University, Korea)
3. Language Translation and Media Transformation in Cross-Language Image Retrieval, Hsin-Hsi Chen, Yih-Chen Chang (National Taiwan University, Taiwan)
4. A Surface Errors Locator System for Ancient Culture Preservation, Yimin Yu, Duanqing Xu, Chun Chen, Yijun Yu, Lei Zhao (Zhejiang University, China)

**November 29 (Wed) 9am-10am**

**Session 8 a, b, c (Three Parallel Sessions)**

#### **Session 8a      Organizing Knowledge**

1. Emotional Descriptors for Map-based Access to Music Libraries, Doris Baum, Andreas Rauber (Vienna University of Technology, Austria)
2. Role of Naive Ontology in Search and Learn Processes of Domain Novices, Makiko Miwa (National Institute of Multimedia Education, Japan), Noriko Kando (National Institute of Informatics, Japan)

#### **Session 8b      Information Extraction (3)**

1. Extracting Structured Subject Information from Digital Document Archives, Jyi-Shane Liu (National Chengchi University, Taiwan), Ching-Ying Lee (National Taiwan Normal University,

Taiwan)

2. Topic Structure Mining using PageRank without Hyperlinks, Hiroyuki Toda (NTT Corporation, Japan; University of Tsukuba, Japan), Ko Fujimura, Ryoji Kataoka (NTT Corporation, Japan), Hiroyuki Kitagawa (University of Tsukuba, Japan)

#### **Session 8c      Semistructured Data/XML**

1. Kikori-KS: An Effective and Efficient Keyword Search System for Digital Libraries in XML, Toshiyuki Shimizu (Kyoto University, Japan), Norimasa Terada (Nagoya University, Japan), Masatoshi Yoshikawa (Kyoto University, Japan)
2. Supporting efficient Grouping and Summary information for Semistructured Digital Libraries, Minsoo Lee, Sookyung Song, Yunmi Kim (Ewha Womans University, Korea), Hyoseop Shin (Konkuk University, Korea)

### **November 29 (Wed) 10:30am-12pm      Session 9 a, b, c (Three Parallel Sessions)**

#### **Session 9a      Information Seeking in Digital Archives**

1. Accessing Japanese Digital Libraries: Three Case Studie, Maureen H. Donovan (Ohio State University Libraries, USA)
2. Towards Ontology Enrichment with Treatment Relations Extracted from Medical Abstracts, Chew-Hung Lee (DSO National Laboratories, Singapore), Jin-Cheon Na, Christopher Khoo (Nanyang Technological University, Singapore)
3. Use and linkage of source and output repositories and the expectations of the chemistry research community about their use, Panayiota Polydoratou (Imperial College London, UK)

#### **Session 9b      Information Organization**

1. Functional Composition of Web Databases, Masao Mori, Tetsuya Nakatoh, Sachio Hirokawa (Kyushu University, Japan)
2. Integration of Wikipedia and a Geography Digital Library, Ee-Peng Lim, Zhe Wang, Darwin Sadeli, Yuanyuan Li, Chew-Hung Chang, Kalyani Chatterjea, Dion Hoe-Lian Goh, Yin-Leng Theng, Jun Zhang, Aixin Sun (Nanyang Technological University, Singapore)
3. Impact of Document Structure to Hierarchical Summarization, Fu Lee Wang (City University of Hong Kong, Hong Kong), Christopher C. Yang (Chinese University of Hong Kong, Hong Kong)

#### **Session 9c      Information Retrieval (2)**

1. The Effect of Lexical Relationships on the Quality of Query Clusters, Chandrani Sinha Ray, Dion Hoe-Lian Goh, Schubert Foo (Nanyang Technological University, Singapore)
2. Query Generation using Semantic Features, Seung-Eun Shin, Young-Hoon Seo (Chungbuk National University, Korea)
3. Page Sets as Web Search Answers, Takayuki Yumoto, Katsumi Tanaka (Kyoto University, Japan)

**November 29 (Wed)      1pm – 3pm**

**Session 10      Keynote and Invited Talks**

1. tba Daniel Clancy (Google, USA)
2. One Billion Children and Digital Libraries: With your help, what the \$100 laptop and its sunlight readable display might enable, Mary Lou Jepson (MIT, USA)

**November 29 (Wed)      3:30pm – 5:30pm**

**Session 11      Panel**

ICADL 2006 – DBWeb 2006 Joint Panel

Closing

**November 30(Thu)      Special Program**

**National and Regional Projects on Digital Libraries and Archives**

**Special Session 1      9am – 10:30am**

1. Digital Library Service of the National Diet Library, Toshiyasu Oba (National Diet Library, Japan)
2. Institutional Repositories in Japan, Yuko Murakami, Jun Adachi (National Institute of Informatics, Japan)
3. Introduction to the National Archives of Japan Digital Archive Service, Shohei Muta (National Archives of Japan, Japan)

**Special Session 2      11am - 1pm**

1. The Development of Digital Library Projects in Taiwan, Hsueh-hua Chen (National Taiwan University, Taiwan)
2. Kyoto International Manga Museum, Masaharu Sekiguchi (Kyoto International Manga Museum, Kyoto Seika University, Japan)
3. Building the National Digital Library of China for Global Users, Qi Xin, Sun Wei (National Library of China, China)
4. tba tba (National Library Board, Singapore)